State Maps and Prescriptive Packages

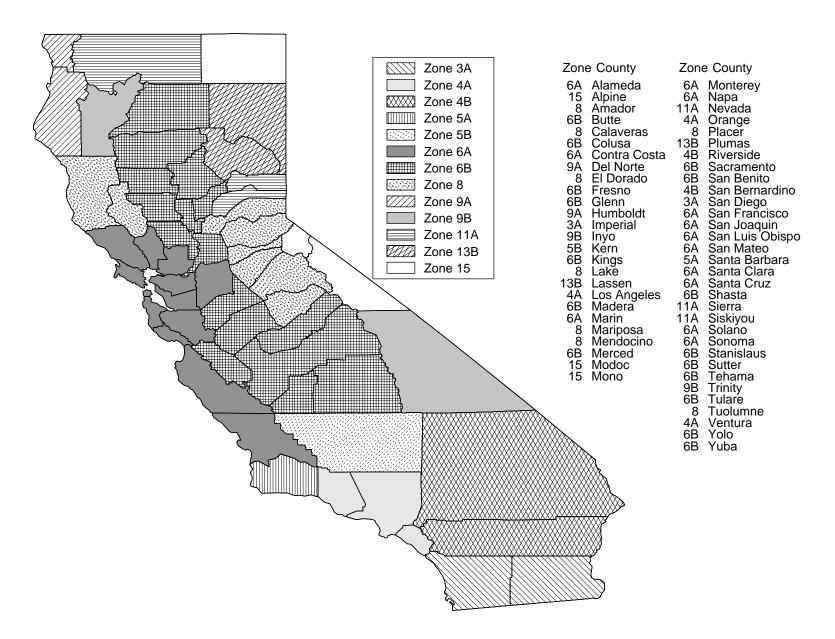
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The State Maps and Prescriptive Packages contain supporting materials that are needed when using the Envelope and Mechanical Compliance Guides. Insulation and other building envelope requirements and some mechanical system requirements vary by climate. The State Maps divide the United States into 33 different climate zones at a county level. Zones are numbered from 1 through 19 (consistent with the IECC and MEC*check* climate zones) and have a, b, and c designations to reflect climate differences that affect cooling; e.g., cooling degree days and solar radiation. The climate maps are unchanged from Version 1.

To determine the climate zone to use with your building, locate the map for your state and identify the zone number from the legend or county list.

To determine insulation and other building envelope requirements, find the prescriptive package number corresponding to your climate zone. The *Envelope Compliance Guide* employs a package approach that requires all components in your design to meet or exceed the prescribed efficiency levels contained in the prescriptive package. If you find the prescriptive packages too constraining, consider using the COM *check-EZ* software, which allows tradeoffs among building envelope components.

CALIFORNIA



Climate Zone 3a

Envelope Component	(0-10%	Fenestration 6 Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration			High Fenestrat 6-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a)	Framing or		or Framing		ū	or Framing			or Framing	Framing		or Framing
Framed Minimum R-Value	NA	0	0	NA	0	0	NA	11	11	NA	11	11
Any Spacing CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b)		U	· ·	1 "	U	· ·		U	Ü		U	U
All Other Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
Masonry Walls(c)		•			·	· ·		•	· ·	· ·	·	·
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient										1		
Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
	Ally	Ally	Ally	Ally	Ally	Ally	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	<u> </u>			<u> </u>								
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss												
Minimum R-Value	9		11	12		19	12		19	12		19
Nonwood Joist/Truss												
Minimum R-Value	10		11	13		19	13		19	13		19
Concrete Slab or Deck Minimum R-Value	9		NA	12		NA	12		NA	12		NA
Metal Purlin with Thermal Break	9		NA NA	12		NA .	12		NA .	12		NA NA
Minimum R-Value	10		13	13		19	13		19	13		19
Metal Purlin without Thermal Break												
Minimum R-Value	10		25	13		30	13		30	13		30
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	ilisulation	OI .	msulation	Ilisulation	OI .	msulation	msulation	OI .	msulation	msulation	OI .	msulation
All-wood Joist/Truss Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss	-		- ''			- ''			.,			
Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck												
Minimum R-Value	2		NA	2		NA	2		NA	2		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 4a

Envelope Component			enestration Window-Wall			um Fenestratio 25% Window-Wal			Fenestration			High Fenestrati %-50% Window-Wa	
W-U- /->		No Framing or	Metal	Wood	No	Metal or Framing o	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a) Framed	Minimum R-Value	Framing or NA	Framing 0	or Framing 0	Framing NA	or Framing of	or Framing	Framing o	or Framing	or Framing	Framing NA	or Framing	or Framing
Any Spacing	wiiriiinum K-value	NA.	U	۰	NA.	• • • • • • • • • • • • • • • • • • • •	''	NA.			NA.		"
CMU, 8 in. or greater	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b) All Other	Minimum R-Value	0	0	0	0	0	0	5	11	11	5	11	11
Masonry Walls(c)	Minimum R-value	"	U	۰	"	U	١	5	11	11	3	11	11
		No	3.25	3.5	No	3.25	³.5	No	³.25	³.5	No	3.25	3.5
Windows		Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar He	eat Gain Coefficient												
	Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
	Maximum 0-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area													
, , ,	Maximum U-Factor		1			1			1			1	
Roof		Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	11		13	12		19	12		19	12		19
Nonwood Joist/Truss	wiriimum K-value			13	12		19	12		19	12		19
	Minimum R-Value	12		13	13		19	13		19	13		19
Concrete Slab or Deck	Minimum R-Value	11		NA	12		NA	12		NA	12		NA
Metal Purlin with Thermal Break													
Metal Purlin without Thermal Break	Minimum R-Value	12		19	13		19	13		19	13		19
inetal Fullin without Thermal Break	Minimum R-Value	12		30	13		30	13		30	13		30
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous	or	Cavity Insulation
All-Wood Joist/Truss													
	Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss	Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck	Minimum R-Value	3		NA NA	3		NA NA	3		NA NA	3		NA NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 4b

Envelope Component		Fenestration % Window-Wall			m Fenestratio			Fenestration			ligh Fenestrati -50% Window-Wa	
M-II- (- I.)	No Framing	Metal	Wood or Framing	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o	or Framing	or Framing 11	Framing o	or Framing of	or Framing 11	Framing o	or Framing of	or Framing	Framing NA	or Framing	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA	0	0	NA	0	0	NA	0	0	NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA 0	0	0	NA 0	0	0	NA 0	0	0	NA	0	0
with Integral Insulation(e) Minimum Continuous R-Value All Other Minimum Cavity R-Value	0 NA	0	0	0 NA	0 11	0 11	0 NA	0 11	0 11	0 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	0	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof All-Wood Joist/Truss	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
Minimum R-Value	16		19	16		19	16		19	16		19
Nonwood Joist/Truss Minimum R-Value	17		25	17		25	17		25	17		25
Concrete Slab or Deck Minimum R-Value	16		NA	16		NA	16		NA	16		NA
Metal Purlin with Thermal Break Minimum R-Value	17		25	17		25	17		25	17		25
Metal Purlin without Thermal Break Minimum R-Value	17		x	17		X	17		х	17		30
iviiniimum K-value	! !			-		-						
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck Minimum R-Value	1		NA NA	4		NA NA	4		NA NA	4		NA NA
William IV Value			IVA	7		IUA			IVA			IVA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 5a

Envelope Component			Fenestration 6 Window-Wall			um Fenestratio -25% Window-Wa			Fenestration			High Fenestrat %-50% Window-Wa	
M/-II- /->		No Framing or	Metal Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a) Framed	Minimum R-Value	Framing or NA	Framing 11	or Framing	Praming NA	or Framing	or Framing	NA NA	or Framing 11	or Framing	NA	or Framing	or Framing
Any Spacing	wiiriiinum K-vaiue	NA.	"		NA.		"	NA.	""		INA		"
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
All Other	Minimum R-Value	0	0	0	5	11	11	5	11	11	5	11	11
Masonry Walls(c)													
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Sola	r Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
	Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof A	raa)												
Skylight (Limit 3% of Roof A	Maximum U-Factor		1			1			1			1	
		Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	14		19	16		19	16		19	16		19
Nonwood Joist/Truss	Minimum R-Value	15		19	17		25	17		25	17		25
Concrete Slab or Deck	Minimum R-Value	14		NA	16		NA	16		NA	16		NA
Metal Purlin with Thermal Break	Minimum R-Value	15		25	17		25	17		25	17		25
Metal Purlin without Thermal Brea		15		x	17		x	17		х	17		30
	www.manner.	-			P			-			•		
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	5		11	5		11	5		11	5		11
Nonwood Joist/Truss	Minimum R-Value	6		11	6		11	6		11	6		11
Concrete Slab or Deck	Minimum R-Value	5		NA	5		NA	5		NA	5		NA
Old Edward Barrey			Insulation			Insulation			Insulation			Insulation	
Slab Edge or Basement Wall													
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 5b

Envelope Component		Fenestration % Window-Wall			m Fenestration			Fenestration 0% Window-Wa			High Fenestrat %-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o		or Framing	Framing o		or Framing	Framing o	ū	or Framing	Framing NA	ū	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA NA	11 0	0	NA NA	11 0	11 0	NA NA	11 0	0	NA NA	13 3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA	0	0	NA	11	11	NA	11	11	NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value	0	0	0	5	0	0	5	0	0	5	0	0
All Other Minimum Cavity R-Value Masonry Walls(f) Minimum Continuous R-Value	NA 0	0 0	0	NA 5	11 0	11 0	NA 5	11 0	11 0	NA 5	11 0	11 0
masoniy wans(i)		_			-			•			-	
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	15		19	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break Minimum R-Value	15		25	20		30	20		30	20		30
Metal Purlin without Thermal Break	13		23	20		30	20		30	20		30
Minimum R-Value	15		Х	20		Х	20		Х	20		38
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	5		11	5		11	5		11	5		11
Nonwood Joist/Truss Minimum R-Value	6		11	6		11	6		11	6		11
Concrete Slab or Deck				-								
Minimum R-Value	5		NA	5		NA	5		NA	5		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 6a

Envelope Component		Fenestration % Window-Wall			m Fenestratio 5% Window-Wal			Fenestration			ligh Fenestrati -50% Window-Wa	
Malla (a la)	No Framing o	Metal r Framing	Wood or Framing	No Framing o	Metal or Framing o	Wood or Framing	No Framing o	Metal or Framing o	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a,b) Framed Minimum Cavity R-Value (c)	NA NA	11	or Framing 11	NA NA	11	or Framing	NA NA	or Framing C	or Framing 11	NA	13	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA	0	0	NA	0	0	NA	0	0	NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA	0	0	NA	0	0	NA	0	0	NA	0	0
with Integral Insulation(e) Minimum Continuous R-Value All Other Minimum Cavity R-Value	0 NA	0	0	0 NA	0 11	0 11	0 NA	0 11	0 11	0 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	0	0	0	5	0	0	5	0	0	5	0	0
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.7	Any	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	10		11	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	11		13	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	10		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	11		19	20		30	20		30	20		30
Minimum R-Value	11		25	20		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	7		11	7		11	7		11	7		11
Nonwood Joist/Truss Minimum R-Value	8		11	8		11	8		11	8		11
Concrete Slab or Deck Minimum R-Value	7		NA	7		NA	7		NA	7		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 6b

Envelope Component	(0-10%	Fenestratior Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration			High Fenestrat %-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No	Metal	Wood
Walls (a)	Framing of	•	or Framing			or Framing			or Framing	Framing		or Framing
Framed Minimum R-Value	NA	11	11	NA	11	11	NA	11	11	NA	11	11
Any Spacing CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b)	U	U	U	I "	U	U	U 0	U	U	"	U	U
All Other Minimum R-Value	0	0	0	5	11	11	5	11	11	5	11	11
Masonry Walls(c)	1 "	Ū	٠	1 3	•••		,			,	• • • • • • • • • • • • • • • • • • • •	
macomy mane(c)				<u> </u>			<u> </u>					
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	³.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient												
	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor		_										
	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
,												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	16		19	16		19	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	17		25	17		25	20		25	20		25
Concrete Slab or Deck	- ''		25			25	20		25	20		25
Minimum R-Value	16		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break	- 10		IVA			TVA .			NA.	- 10		NA.
Minimum R-Value	17		25	17		25	20		30	20		30
Metal Purlin without Thermal Break												
Minimum R-Value	17		X	17		X	20		Х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
	Ilisulation	OI .	msulation	Ilisulation	OI .	msulation	msulation	OI .	msulation	msulation	OI .	moulation
All-Wood Joist/Truss Minimum R-Value	6		11	6		11	6		11	6		11
Nonwood Joist/Truss	- 0		- ''	- 6		11	- 6		- ''	- 6		- 11
Minimum R-Value	6		11	6		11	6		11	6		11
Concrete Slab or Deck				_ <u> </u>								
Minimum R-Value	6		NA	6		NA	6		NA	6		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 8

Envelope Component		Fenestratior			um Fenestratio			Fenestratior			High Fenestrat %-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a)	Framing or		or Framing		•	or Framing	Framing o		or Framing	Framing		or Framing
Framed Minimum R-Value Any Spacing	NA	11	11	NA	13	11	NA	13	11	NA	13	11
CMU, 8 in. or greater Minimum R-Value with Integral Insulation(b)	5	11	11	5	11	11	5	11	11	5	11	11
All Other Minimum R-Value Masonry Walls(c)	5	11	11	6	13	11	6	13	11	6	13	11
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous	or	Roof Cavity Insulation
All-Wood Joist/Truss												
Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	15		19	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break Minimum R-Value	15		25	20		30	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	15		х	20		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	9		11	9		11	9		11	9		11
Nonwood Joist/Truss Minimum R-Value	10		11	10		11	10		11	10		11
Concrete Slab or Deck Minimum R-Value	9		NA NA	9		NA NA	9		NA NA	9		NA NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value												

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 9a

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration			High Fenestrati 6-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b)	Framing o		or Framing			or Framing	Framing o	•	or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA	11	11	NA	11	11	NA	13	11	NA	13	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	0	0	NA NA	0 11	0 11	NA NA	0 11	0 11	NA NA	11 11	5 11
with Integral Insulation(e) Minimum Continuous R-Value	0	0	0	5	0	0	5 NA	0	0	5 5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
	No	3.25	3.5 Decisetion	No	3.25	3.5 Projection	No	3.25 Decided	S.5	No	3.25	3.5 Decisedian
Windows Maximum Solar Heat Gain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
	Any	Any	Any	Any	Any	Any	0.6	0.7	Any	0.5	0.7	0.8
Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.7(g)	0.7(g)	0.7(g)	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	13		19	16		19	19		25	19		25
Nonwood Joist/Truss												
Minimum R-Value	14		19	17		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	13		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break	13		NA.	- 10		NA.	19		INA	13		NA.
Minimum R-Value	14		19	17		25	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	14		х	17		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	12		13	12		13	12		13	12		13
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	12		13	12		13	12		13	12		13
Minimum R-Value	12		NA	12		NA	12		NA	12		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- (g) For buildings over 3 stories in height, the maximum U-factor shall be 0.60.
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 9b

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wall			Fenestration			High Fenestrati %-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)	Framing o		or Framing		or Framing o	•	Framing o		or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA NA	11 0	11 0	NA NA	11 0	11	NA NA	13 0	11	NA NA	13 5	13 3
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	11	11	NA NA	11	0 11	NA NA	11	0 11	NA NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value	5 5	0	0	5 5	0	0	5 5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA.	13	11	NA NA	13	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	6	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor	Ally	Ally	Ally	0.5	0.0	0.7	0.4	0.0	0.0	0.0	0.4	0.5
	Any	Any	Any	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	15		19	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	16		19	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	15		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value	16		25	20		30	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	16		х	20		х	20		х	20		38
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss												
Minimum R-Value Nonwood Joist/Truss	11		13	11		13	11		13	11		13
Minimum R-Value	12		13	12		13	12		13	12		13
Concrete Slab or Deck Minimum R-Value	12		NA	12		NA	12		NA	12		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation	_		Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 11a

Envelope Component			Fenestration 6 Window-Wall			um Fenestratio			Fenestratior			High Fenestrat %-50% Window-Wa	
M/-II- /->		No Framing or	Metal r Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing o	Metal r Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a) Framed	Minimum R-Value	Framing or NA	r Framing 11	or Framing	Praming NA	or Framing of	or Framing	Framing o	r Framing	or Framing	Praming NA	or Framing	or Framing
Any Spacing	Willimum K-Value	NA.	""		NA		"	NA			NA.	13	
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
All Other Masonry Walls(c)	Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
masoniy wans(c)													
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar	Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.5	0.6	0.7
	Maximum U-Factor	-			0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.4
		Any	Any	Any	0.7	0.7	0.7	0.6	0.0	0.6	0.4	0.4	0.4
Skylight (Limit 3% of Roof Ar	·ea)												
	Maximum U-Factor		0.8			0.8			0.8			0.8	
		Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous	3	Roof Cavity
Roof		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	14		19	16		19	19		25	19		25
Nonwood Joist/Truss	Minimum R-Value	15		19	17		25	20		25	20		25
Concrete Slab or Deck	Minimum R-Value	14		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break	Minimum R-Value	15		25	17		25	20		30	20		30
Metal Purlin without Thermal Break		13		25	- 17		23	20		30	20		30
	Minimum R-Value	15		Х	17		X	20		Х	20		30
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	14		19	14		19	14		19	14		19
Nonwood Joist/Truss	Minimum R-Value	14		19	14		19	14		19	14		19
Concrete Slab or Deck		14		NA	14		NA			NA	14		NA NA
	Minimum R-Value	14		NA	14		NA	14		NA	14		NA
Slab Edge or Basement Walls	s		Insulation			Insulation			Insulation			Insulation	
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 13b

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wall			Fenestration 0% Window-Wal			High Fenestrati -50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)	Framing o		or Framing		or Framing o	•	Framing o	•	or Framing			or Framing
Framed Minimum Cavity R-Value (c)	NA NA	13 0	11 0	NA NA	13 0	11	NA NA	13 0	11	NA NA	13 7	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	11	11	NA NA	11	0 11	NA NA	11	0 11	NA NA	11	3 11
with Integral Insulation(e) Minimum Continuous R-Value	5 5	0	0	5 5	0	0	5 5	0	0	5 5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA.	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient		•	,		•	,			,	-		•
Maximum U-Factor	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
Maximum 0-1 actor	Any	Any	Any	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	0		Df Oit	0		Dark Carrier	0		Da of Consider	0		Daret Carritor
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	18		25	19		25	23		30	23		30
Nonwood Joist/Truss Minimum R-Value	19		25	20		25	24		30	24		30
Concrete Slab or Deck Minimum R-Value	18		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	19		30	20		30	24		Х	24		38
Minimum R-Value	19		х	20		х	24		х	24		49
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	17		19	17		19	17		19	17		19
Nonwood Joist/Truss	<u>'</u>			· · ·			<u> </u>			···		.,
Minimum R-Value Concrete Slab or Deck	17		25	17		25	17		25	17		25
Minimum R-Value	17		NA	17		NA	17		NA	17		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 15

Envelope Component		Fenestration % Window-Wall		Medium Fenestration Area (10%-25% Window-Wall Ratio)			High Fenestration Area (25%-40% Window-Wall Ratio)			Very High Fenestration Area (40%-50% Window-Wall Ratio)		
	No Metal Wood			No Metal Wood			No Metal Wood			No Metal Wood		
Walls (a,b)	Framing o		or Framing			or Framing	Framing of	•	or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA	13	11 0	NA	13	11	NA NA	13	11	NA	13	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	<u>3</u> 11	11	NA NA	3 11	0 11	NA NA	3 11	0 11	NA NA	7 13	4 11
with Integral Insulation(e) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	13	11	NA	13	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	6	3	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient		-	,		•		•	•	,		•	
Maximum U-Factor	Any	Any	Any	0.5	0.6	0.7	0.5	0.6	0.7	0.4	0.5	0.7
Maximum O-Pactor	0.7	0.7	0.7	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.6			0.6			0.6			0.6	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	19		25	19		25	23		30	23		30
Nonwood Joist/Truss												
Minimum R-Value	20		25	20		25	24		30	24		30
Concrete Slab or Deck Minimum R-Value	19		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break	19		NA NA	19		NA	23		NA	23		NA
Minimum R-Value	20		30	20		30	24		x	24		38
Metal Purlin without Thermal Break												
Minimum R-Value	20		Х	20		Х	24		Х	24		NA
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	22		25	22		25	22		25	22		25
Nonwood Joist/Truss			20			20			20			20
Minimum R-Value	23		30	23		30	23		30	23		30
Concrete Slab or Deck Minimum R-Value	22		NA	22		NA	22		NA	22		NA
Slab Edge or Basement Walls	Insulation			Insulation			Insulation			Insulation		
Minimum R-Value		0			8			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.